Unit 05 – Data Modelling

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Learning Aim C3 – Reviewing and Refining The Data Model Solution

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Learning Objectives

To understand how to review a data model.

To be able to refine a data model.

To understand how to evaluate a data model.

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Reviewing The Data Model

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A Quick Recap

- In Learning Aims A and C we looked at a range of techniques used to build data models.
- In Learning Aim B, we looked at how to design a data model solution for a given scenario.
- The scenario was the East Berkshire Plumbing and Heating Services Company.
- You will now use that completed data model for reviewing and evaluation.
- If you haven’t managed to complete it, an example is provided for you.

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How To Review The Data Model

You have reviewed your data model from a range of sources.

You have tested the model against the requirements.

You have obtained feedback from ***TWO*** users.

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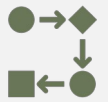
How To Review The Data Model



Now you need to decide if you are going to make the changes suggested.

You will need to evaluate how long it will take to implement a change.

You will need to work out if you can make the changes in the time available.

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Factors To Consider When Making A Change

If the changes are simple to make, then the changed should be implemented.

The changes should **NOT** be implemented if:

The change cannot be completed in the time available.

The change was not in the original requirements.

The user still doesn’t know what they want.

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Review The Data Model – Worked Example

Feedback Source	Feedback	Implemented?	Justification
Test Plan	FAILED TEST #3 The word Expenses appears in the drop down.	YES	I am going to make this change ***because*** it won't take too long to fix. I need to change the Expenses named range to not include the first row of data. This should only take about 15 minutes to fix.

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Class Tasks C3 – Reviewing The Data Model Solution

- Individually or in small groups.
- Review your test plan data and user feedback.
- List all the recommended changes and identify if you are going to implement the changes. Justify your decisions.
- Present your findings to the group.
- **Time Allowed: 15 minutes.**

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Refining The Data Model

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How To Refine Your Data Model

- Once the changes to be made have been identified.
- The changes need to be implemented.
- The way to do this is to record each change with a heading.
- Include before and after screenshots of the change.
- Include a short description about what you did - you could use callouts to annotate your changes.

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Self-Check: Lesson Review

Can I use feedback to effectively review a data model?

Can I refine a data model?

Can I identify how to extend a data model?

Can I evaluate a data model?

Can I identify the range of Skills and Behaviour I should have achieved in this project?

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Further Reading

Websites

Videos

Textbook: pp327-329

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